

# RF Power Amplifier

## RF001400-25/10 bi

This solid state power amplifier is designed for reliable, trouble-free service. It operates in a class A/AB and includes RF protection circuits, cooling installations and 230 V AC power supply. The amplifier is accommodated in a 19" system housing.

### Features :

- \* 30 to 35 Watts saturated output power for band 1 ( 10 KHz -220 MHz)
- \* 12 to 15 Watts saturated output power for band 2 ( 200 MHz -400 MHz)
- \* 43 dB minimum gain
- \* Electronic Attenuator in option
- \* one input , one output switching manual or remote
- \* Temperature protection

### Applications :

- \* Test Bench
- \* Field Test
- \* Instrumentation

Case : RAC009-01

### Specifications

Characteristics	Data	Units
Frequency range band 1	0.01 -220	MHz
band 2	200 - 400	MHz
RF output power CW		
Typ. band1/band2	30/15	W
Min	25/10	W
Class	A/AB	
Power gain min	47/40	dB
Flatness typ	+/-2,5 dB	dB
Input power for rated output power	0	dBm
Max. input power	7	dBm
In / Out impedances nom.	50	Ohms
Input VSWR	2 : 1	
Load VSWR for rated output power	up to 1.5 : 1	
VSWR mismatch	infinite	
Protection circuits	Over temperature	
Harmonics typ.	-15	dBc
Spurious typ.	-60	dBc
Modulation capability	100	%
Noise Figure typ.	10	dB
Intercept point 3 rd Order min.		dBm
RF connectors	N female	
Cooling	Forced air (self-contained fans)	
Operating temperature Range	0 °C ... + 40	° C
Power Supply	230 AC +/- 10 % ,47-63 Hz	V
Dimensions (W x L x H)	4 U 19" Rack 490 x 460 x 172	mm
All data at room temperature + 22 °C, into 50 Ohms, subject to change without notice		

Made in European Union

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